

1. IDENTIFICATION

Product identifier

GCS Inject N for Wheat

Relevant identified uses of the substance or mixture

Natural fertilizer

Details of the supplier of the safety data sheet

Company name:	Generic Crop Science, LLC (GCS, LLC)
Address:	1887 Whitney Mesa Drive #9740
City, State and Zip Code:	Henderson, NV 89014-2069
Telephone:	(866) 396-0465

1.4 Emergency telephone number

Call local Poison Control center

2. HAZARDS IDENTIFICATION

2.1 Classification

GHS-US classification
Eye Irrit. 2A H319
Full text of H-phrases: see section 16

2.2 Label Elements

GHS-US labelling
Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US):	Warning
Hazard statements (GHS-US):	H319 - Causes serious eye irritation
Precautionary statements (GHS-US):	P264 - Wash hands thoroughly after handling
	P280 - Wear protective gloves/protective clothing/eye protection/face protection

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313 - If eye irritation persists: get medical advice/attention

2.3 Other Hazards

Prolonged or repeated contact to skin may cause mild irritation.

2.4 Unknown Acute Toxicity (GHS US)

Not applicable

3. COMPOSITION OF PRODUCT

3.1 Substance

Not applicable

3.2. Mixture

Name	Product Identifier	%
Liquid Humate	(CAS No) Proprietary	10
Azospirillum		0.013% w/w

Some constituent(s) and/or exact percentage(s) are being withheld as trade secrets.

4. FIRST AID

4.1 First Aid Measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Allow victim to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2 Most important symptoms and effects

Symptoms/injuries after skin contact: Exposure to skin or mucous membranes may produce irritation, absorption of skin oils, smarting, redness, or contact dermatitis.

Symptoms/injuries after eye contact: Causes serious eye irritation. Exposure may cause irritation and reddening of the eye.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media Do not use a heavy water stream.

5.2 Specific Hazards Arising from the Chemical

No additional information available.

5.3 Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Dilute remaining with plenty of water.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling: Provide good ventilation in process area to prevent formation of vapor. Avoid contact with skin and eyes. Wear personal protective equipment. When not in use, keep containers tightly closed.

Hygiene measures: Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with

mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well-ventilated place. Keep containers closed when not in use. Avoid freezing.

Incompatible materials: Strong acids.

7.3. Specific end use(s)

No additional information available

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses. It is strongly recommended contact lenses not be worn when working with chemicals because they may increase the severity of an eye injury.

Other information: Do not eat, drink or smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state :	Liquid
Color :	Dark brown
Odor :	Mild characteristic odor
Odor threshold :	No data available
pH :	6.9 – 8.4
Relative evaporation rate (butyl acetate=1) :	No data available
Melting point :	No data available
Freezing point :	No data available
Boiling point :	> 212 F
Flash point :	Not applicable
Auto-ignition temperature :	Not applicable
Decomposition temperature :	No data available
Flammability (solid, gas) :	Not applicable
Vapor pressure :	No data available
Relative vapor density at 20 °C :	No data available
Relative density :	1.003 (water=1)
Water solubility :	Complete
Log Pow :	No data available
Log Kow :	No data available
Viscosity, kinematic :	No data available
Viscosity, dynamic :	Not applicable (water-like)
Explosive properties :	No data available
Oxidizing properties :	Not applicable (No oxidizing agent)
Explosion limits :	Not applicable

9.2. Other information

Volatiles : None

10. STABILITY AND REACTIVITY

10.1. Reactivity

No additional information available.

10.2. Chemical stability

Stable under normal operating conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Avoid low temperatures below freezing point.

10.5. Incompatible materials

Strong acids.

10.6. Hazardous decomposition products

Thermal decomposition: Carbon monoxide. Carbon dioxide. Alkali oxides.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Not classified

Liquid Humate	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 7500 mg/kg

Skin corrosion/irritation :

Not classified

Serious eye damage/irritation :

Causes serious eye irritation.

Respiratory or skin sensitization :

Not classified

Germ cell mutagenicity :

Not classified

Carcinogenicity :

Not classified

Reproductive toxicity :

Not classified

Specific target organ toxicity (single exposure) :

Not classified

Specific target organ toxicity (repeated exposure):

Not classified

Aspiration hazard :

Not classified

Potential Adverse human health effects and

Symptoms :

criteria are not met.

Based on available data, the classification

12. ECOLOGICAL INFORMATION

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

Not established.

12.3. Bioaccumulative potential

Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : No additional information available

Other information : Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

14. TRANSPORT INFORMATION

In accordance with DOT

Not regulated for transport

Additional information

Other information : No supplementary information available.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

15. REGULATORY INFORMATION

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

<u>Liquid Humate</u>
Listed on the Canadian NDSL (Non-Domestic Substances List)

EU Regulations

<u>Liquid Humate</u>
Listed on the EEC Inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

15.2.2. National regulations

<u>Liquid Humate</u>
Listed on the IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Korean ECL (Existing Chemicals List) Listed on the NZIoC (New Zealand Inventory of Chemicals) Listed on the CICR (Turkish Inventory of Control of Chemicals)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

16. OTHER INFORMATION

Other information : None.

Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
H319	Causes serious eye irritation